WF419AAW

Washing Machine
user manual

imagine the possibilities

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ENERGY STAR

SAMSUNG

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features of your new VRT™ STEAM washer

1. VRT™ (Vibration Reduction Technology)

This Samsung washer performs smoothly at top spin speeds, minimizing noise and vibration.

2. Super capacity

Samsung's extra-large capacity laundry machine can wash a full set of your bedding, a king-size comforter, or up to 26 bath towels in a single load. Since you don't have to do as many loads, you save time, money, water and energy.

3. Deep steam

The deep steam feature boosts cleaning performance and loosens grime and dirt, thus providing superior cleaning results.

4. Diamond drum™

Take gentle care of your fabrics. With inside holes 36% smaller than those of conventional drums, the diamond drum prevents fabrics from sticking out and consequently being damaged.

5. Stylish design

The stylish design of this washer blends well with your environment.

6. Display & Center jog dial

The jog dial enables you to select cycles in both directions with ease, and the display is easy to use and understand.

7. DD Motor

The power to handle anything! Our direct-drive inverter motor delivers power right to the washer tub from a variable speed, reversible motor. A beltless direct-drive motor generates a higher spin speed of 1,200rpm for more effective, quiet operation. The washer also has fewer moving parts, meaning fewer repairs.

8. Sanitize

When selecting this cycle, the water heats to an extra high temperature to remove 99.9% of certain bacteria typically found on clothing, bedding, or towels. This certification is conducted by NSF International, an independent third-party testing and certification organization.

Please check garment care label to avoid garment damage. Only sanitizing cycles have been designed to meet the requirements of this protocol for sanitization efficacy.

NSF

NSF Protocol P172
Sanitization Performance of Residential and Commercial, Family-Sized Clothes Washers

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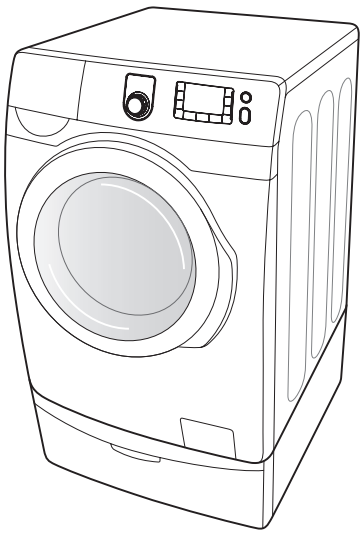
9. Pedestal with storage drawer (Model No : WE357A7P/E/W/R)

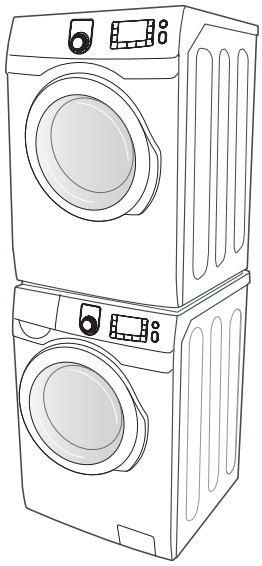
An optional 15in.(38.1cm) pedestal is available to raise the washer for easier loading and unloading.
It also offers a built-in storage drawer that can hold a 100 oz. bottle of detergent

10. Stacking (Model No : SK-3A1/XAA , SK-4A/XAA , SK-5A/XAA)

Samsung washer and dryer can be stacked to maximize usable space. An optional stacking kit is available for purchase from your Samsung retailer.



<Pedestal with Storage Drawers>



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safety information

Congratulations on your new Samsung ActivFresh™ washer. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your washer's many benefits and features.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your washer.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death**.
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage**.
CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your washer, follow these basic safety precautions:

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicity.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.
	Notice

Read all instructions before using the appliance.

With any equipment using electricity and moving parts, potential hazards exist. To safely operate this appliance, become familiar with its operation and be careful when using it.

Install and store your washer inside, away from exposure to weather.

Install and level your washer on a floor that can support its weight.

Your washer must be properly grounded. Never plug it into an ungrounded outlet. See page 8 for more information on grounding your washer.

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WARNING To reduce the risk of fire or explosion:

- Do not wash items that have been washed, soaked, or treated with gasoline, dry cleaning solvents, or other flammable or explosive substances. They give off vapors that could ignite or explode. Rinse by hand any material that has been exposed to cleaning solvent or other flammable liquids or solids before putting in your washer. Be sure that all traces of such liquids, solids, and fumes have been removed. Dangerous substances include acetone, denatured alcohol, gasoline, kerosene, certain liquid household cleaners and spot removers, turpentine, waxes, and wax removers.
- Do not put gasoline, dry cleaning solvents, or other flammable or explosive substances into the washer.
- Under certain conditions, hydrogen gas may be produced in a hot water system–such as your hot water heater-- that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If your hot water system has not been used for two weeks or more, turn on all hot water faucets in your home, and let the water flow for several minutes before using your washer. This will release any hydrogen gas build–up. Since hydrogen gas is flammable, do not smoke or light an open flame during this time.

Unplug the power cord before servicing your washer.

Do not reach into the appliance when the tumbler is moving.

WARNING Do not let children play on or in your washer. The washer door isn't easily opened from the inside, and a child could be seriously injured if trapped inside.

Do not tamper with the controls.

Do not repair, replace, or service any part of your washer yourself unless you fully understand the recommended user–repair instructions and have the skills to carry them out. Work done by an unauthorized person may void your warranty.

Store laundry detergents and other laundry supplies in a cool, dry place out of children's reach.

Do not wash or dry items that are soiled with vegetable or cooking oil. These items may contain some oil after laundering. Due to the remaining oil, the fabric may smoke or catch fire by itself.

WARNING Do not use chlorine bleach, ammonia, or acids (such as vinegar or rust remover) in the same wash. Hazardous fumes can form.

Do not wash fiberglass materials. Small particles can stick to fabrics washed in subsequent loads and cause skin irritation.

WARNING Before disposing of your washer, remove the door so that children or small animals cannot get trapped inside.

WARNING This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

Do not sit on top of your washer.

Inlet hoses are subject to damage and deterioration over time. Check the hoses periodically for bulges, kinks, cuts, wear or leaks, and replace them every five years.

Ensure pockets are free from small irregularly shaped hard objects, foreign materials such as coins, knives, pins, etc. These objects could damage your washer.

Do not wash clothing with large buckles, buttons, or other heavy metal.

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installing your washer

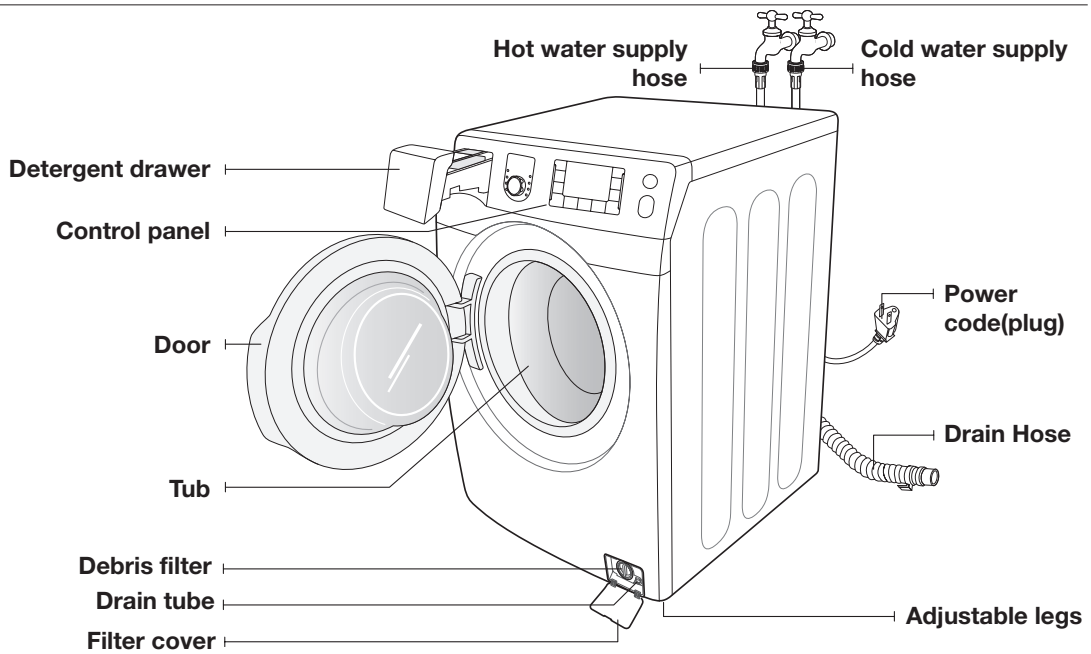
UNPACKING YOUR WASHER

Unpack your washer and inspect it for shipping damage. Make sure you have received all of the items shown below. If your washer was damaged during shipping, or you do not have all of the items, contact 1-800-SAMSUNG(726-7864).

To prevent personal injury or strain, wear protective gloves whenever lifting or carrying the unit.

WARNING Packing materials can be dangerous to children; keep all packing material (plastic bags, polystyrene, etc.) well out of the reach of children.

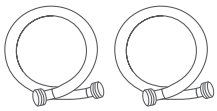
OVERVIEW OF YOUR WASHER



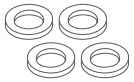
Parts Supplied

Wrench

Bolt Hole Covers

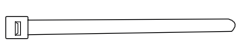


Water Supply Hoses



Rubber Washers

Hose Guide



Plastic Zip Hose Tie

Manual Book

Tools Needed

Pliers

Flat screwdriver

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installing your washer

BASIC LOCATION REQUIREMENTS

Electrical

- 120 Volt 60 Hz 15 AMP fuse or circuit breaker
- Individual branch circuit serving only your washer is recommended.
- Your washer is equipped with a power cord.

WARNING Never use an extension cord.

Grounding

ELECTRICAL GROUNDING IS REQUIRED ON THIS APPLIANCE.

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.

This appliance is equipped with a power cord having a three-prong grounding plug for use in a properly installed and grounded outlet.

WARNING Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

IMPORTANT SAFETY PRECAUTIONS

- To prevent unnecessary risk of fire, electrical shock or personal injury, all wiring and grounding must be done in accordance with the National Electrical Code ANSI/FNPA, No. 70 Latest Revision and local codes and ordinances. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

WARNING Never connect ground wire to plastic plumbing lines, gas lines, or hot water pipes.

Water

To correctly fill your washer in the proper amount of time, water pressure of 20-116psi(137-800kPa) is required.

Water pressure less than 20 psi(137kPa) may cause water valve failure, or may not allow the water valve to shut off completely. Or, it may extend the fill time beyond what your washer controls allow, resulting in your washer turning off. A time limit is built into the controls in the event of an internal hose becoming loose and flooding your home.

The water faucets must be within 4 ft.(122cm) of the back of your washer for the inlet hoses provided with your washer.

Accessory inlet hoses are available in various lengths up to 10 ft.(305cm) for faucets that are further away from the back of your washer.

To avoid the possibility of water damage:

- Have water faucets easily accessible.
- Turn off faucets when the washer is not in use.
- Periodically check that there is no leakage from the water inlet hose fittings.

WARNING Check all connections at the water valve and faucet for leaks.

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Drain facility

The recommended height of the standpipe is 18 in (46 cm). The drain hose must be routed through the drain hose clip to the standpipe. The standpipe must be large enough to accept the outside diameter of the drain hose. The drain hose is attached at the factory.

Flooring

For best performance, your washer must be installed on a solidly constructed floor. Wood floor may need to be reinforced to minimize vibration and/or unbalanced load situations. Carpeting and soft tile surfaces are contributing factors in vibration and may cause your washer to move slightly during the spin cycle.

CAUTION Never install your washer on a platform or weakly supported structure.

Location consideration

Do not install your washer in areas where water may freeze, since your washer will always maintain some water in its water valve, pump, and hose areas. This can cause damage the belts, the pump, hoses and other components.

Alcove or closet installation

MINIMUM CLEARANCES FOR CLOSET AND ALCOVE INSTALLATIONS:

Sides – 1 In.(2.5 cm)

Top – 17 In.(43.2 cm)

Rear – 4 In.(10.2 cm)

Closet Front – 2 In.(5.1 cm)

If the washer and dryer are installed together, the closet front must have at least 72 in^2(465 cm^2) of an unobstructed air opening. Your washer alone does not require a specific air opening.

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installing your washer

IMPORTANT NOTE TO INSTALLER

Please read the following instructions carefully before installing your washer.

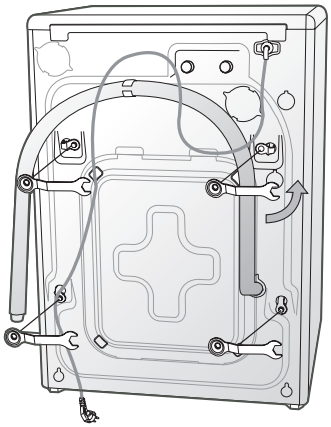
These instructions should be retained for future reference.

We recommend you hire a professional for installation of this washer.

STEP 1
Removing the Shipping Bolts

Before using your washer, you must remove the four shipping bolts from the back of the unit.

1. Loosen all the bolts with the supplied wrench.
2. Slide the bolt and spacer up and remove the bolt with the spacer through the hole in the rear wall of your washer. Repeat for each bolt.
3. Fill the holes with the supplied bolt hole covers (page 7).
4. Keep the shipping bolts and spacers for future use.



STEP 2
Selecting a Location

Before you install your washer, make sure the location:

- Has a hard level surface.
- Is away from direct sunlight.
- Has adequate ventilation.
- Will not freeze (below 32°F or 0°C).
- Is away from heat sources such as oil or gas.
- Has enough slack for the power cord.
- Doesn't have any carpeting that will obstruct ventilation openings.

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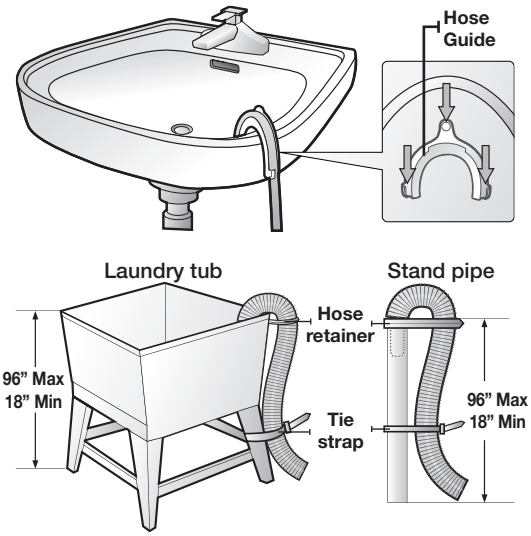
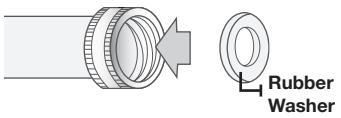
STEP 3
Installing your Washer

1. Place the drain hose in the drain facility. Be sure an airtight connection is NOT made between the drain hose and the standpipe. The standpipe must be at least 18in.(46 cm) high.

Caution must always be exercised to avoid collapsing or damaging the drain hose. For best results, the drain hose should not be restricted in any way – by elbows, couplings, or excessive lengths. For situations where the drain hose cannot be conveniently elevated to at least 18in.(46 cm), the drain hose must be supported.



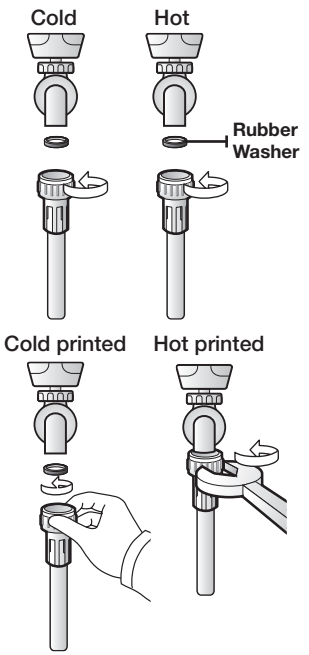
2. Insert a new rubber washer (supplied) into each end of the inlet hoses. Firmly seat the washers in the couplings.



3. Check the inlet hose to ensure a washer is inside each fill hose.
Thread the inlet hoses to the HOT and COLD faucet connections.
On the other end of the hose, check for one rubber washer per hose and install each fill hose to the water valve. Make sure the hose with the Hot printed line is attached to the HOT faucet. Tighten by hand until snug, then two-thirds of a turn with pliers.

For correct water use, connect both HOT and COLD water valves. If either or both are not connected, an "nF" (no fill) error can occur.

4. Turn on the "HOT" and "COLD "water supply and check all connections at the water valve and the faucet for leaks.



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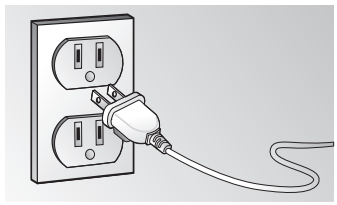
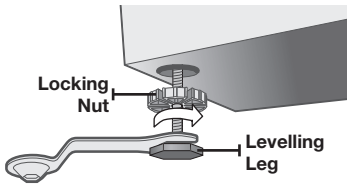
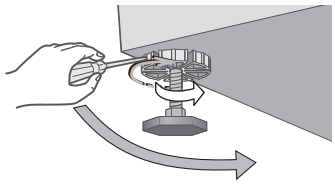
installing your washer

5. Plug the power cord into a 3-prong, well grounded 120 volt 60 Hz approved electrical outlet protected by a 15-amp fuse or comparable circuit breaker.
   Your washer is grounded through the third prong of the power cord when plugged into a three-prong grounded receptacle.
6. Slide your washer into position.
7. Level your washer by turning the leveling legs in or out as necessary by hand or by using the wrench included with your washer.
   When your washer is level, tighten the locking nuts using the wrench or (-) flathead screwdriver.

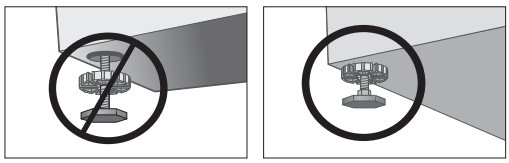




Your washer must be leveled on all four sides. A carpenter's level should be used on all four corners of your washer. It's a good idea after the first dozen washes to recheck your washer's levelness.



Avoid damage to the legs. Do not move the washer unless the locking-nuts are fastened to the bottom of the washer.



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LOADING YOUR WASHER

- You can fill the tub with dry, unfolded clothes; but DO NOT OVERLOAD the tub.
- Overloading may reduce washing efficiency, cause excess wear, and possibly cause creasing or wrinkling of the load.
- Wash delicate items such as bras, hosiery, and other lingerie in the delicates cycle with similar lightweight items.
- When washing big bulky items or a few smaller items that don't fill the tub completely – a rug, a pillow, stuffed toys, or one or two sweaters, for example – add a few towels to improve tumbling and spin performance.

During the spin cycle, the washer may add additional water to redistribute the excessive imbalance inside the drum.

- When washing heavily soiled loads, do not overload your washer in order to assure good cleaning results.
- To add a forgotten item:
  1. Press the **Power** button.
  2. Press the **Start/Pause** button.
  3. Wait for the door lock light to go out (Immediately).
  4. Add the item, close the door, and press the **Start/Pause** button.
     The door safety state continues for 15 seconds and the cycle is restarted.

To ensure thorough cleaning, add items within five minutes of starting the wash cycle.

Try washing bedding, towels, undergarments, and other articles that usually have close body contact using the ActivFresh™ Option, which sanitizes using cold water.

GETTING STARTED

1. Load your washer.
2. Close the door.

CAUTION Push the laundry into the drum completely to prevent the laundry from being caught in the door or from falling out of the drum.

3. Press the **Power** button.
4. Add detergent and additives to the dispenser (page 20~21).
5. Select the appropriate cycle and options for the load (page 14~16).
6. Press the **Start/Pause** button.
7. The Wash Indicator light will illuminate.
8. The estimated cycle time will appear in the display.
   The time may fluctuate to better indicate the time remaining in the cycle.

The actual time required for a cycle may differ from the estimated time in the display depending on the water pressure, water temperature, detergent, and laundry.

9. Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain.

- When the cycle is complete, the door lock light will go out and "End" will appear in the display.
- DO NOT attempt to open the door until the door lock light is off. To add a forgotten item, see "Loading your washer" section (page 13).
- When your washer is restarted after a pause, expect a delay of up to 15 seconds before the cycle continues.
- Pressing **Power** button cancels the cycle and stops your washer.
- The pre wash, wash, rinse and spin indicator lights will illuminate during those portions of the cycle.

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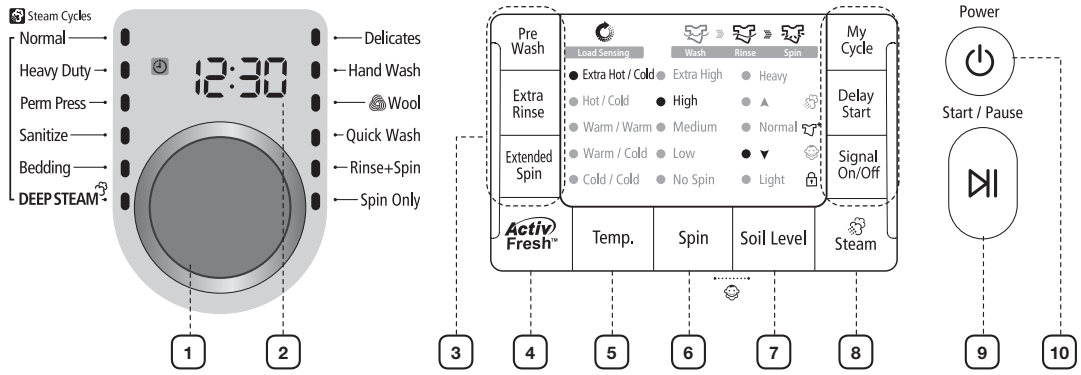
washing a load of laundry

OVERVIEW OF THE CONTROL PANEL



1 Cycle Selector	Select the appropriate cycle for the type of load. This will determine the tumble pattern and spin speed for the cycle. To minimize wrinkling of your laundry, select the perm press cycle. **Normal** - For most fabrics including cottons, linens, and normally soiled garments. **Heavy Duty** - For sturdy, colorfast fabrics and heavily soiled garments. **Perm Press** - For wash-and-wear, synthetic fabrics, and lightly to normally soiled garments. **Sanitize** - For heavily soiled, colorfast garments. This cycle heats the water to 150°F(65.6°C) to eliminate bacteria. If Pause is selected during the heating portion of the sanitize cycle, your washer door will remain locked for your safety. **Bedding** - For bulky items such as blankets and sheets. When you are washing comforters, use liquid detergent. **Deep steam** - For heavily soiled, colorfast garments, this cycle provides high washing temperature and steam and is efficient in cleaning stains. **Delicates** - For sheer fabrics, bras, lingerie silk, and other handwash-only fabrics. For best results, use liquid detergent. **Hand Wash** - For handwashable, special care garments. **Wool** - For machine-washable wool. Loads should be under 8 pounds. • The Wool course washes laundry by moving the wash tub horizontally to maintain the characteristics of the wool fibers and to prevent damaging the cloth. It then stops for a while to allow the laundry to soak in the water.This stop operation is not a problem. (You can only set the spin speed to 800 rpm and the water temperature to 40°C.) • It is recommended using a neutral detergent to prevent damage to the cloth and to improve the washing results. WOOLMARK The wool wash cycle of this machine has been approved by Woolmark for the washing of machine washable Woolmark products provided that the products are washed according to the instructions on the garment label and those issued by the manufacturer of this washing machine, M0904. **Quick Wash** - For lightly soiled garments needed quickly. **Rinse + Spin** - Use for loads that need rinsing only or to add rinse-added fabric softener to a load. **Spin Only** - Provides a spin to remove more water.

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2 **Digital graphic display**	Displays the remaining cycle time, all cycle information, and error messages.
3 **Select Cycle Option**	Press these buttons to select different cycle options. **Pre Wash** - To use this feature add detergent to the pre wash section of the detergent compartment. When turned on, the washer fills with cold water and detergent, tumbles, then drains and advances to the selected wash cycle. Some cycles cannot be selected with with this option (page 28). * You cannot select the prewash option in the delicate, wool, quick wash hand wash, rinse+spin, and spin only cycles. **Extra Rinse** - Add an additional rinse at the end of the cycle to more thoroughly remove laundry additives and perfumes. **Extended Spin** - Add additional time to remove more water from loads. **My Cycle** - Choose your favorite cycle including temperature, spin, soil level, option, etc. **Delay Start** - Any cycle can be delayed for up to 24 hours in one-hour increments. Displayed hour indicates the time at which the wash will be started. **Signal On/Off** - Press the button to increase or decrease the end of cycle signal volume or turn off the signal.
4 **ActivFresh™ button**	Press this button to sanitize your laundry in cold water. Active silver ions are produced from pure silver plates by the process of electrolysis and released into the wash water effectively sanitizing your wash, even in cold water, without bleach. The ActivFresh™ system sanitizes while using 92% less energy use than traditional heat sanitization.
5 **Temperature selection button**	Press the button repeatedly to cycle through the different water temperature options. **Extra Hot/Cold** - Heavily soiled, colorfast items. Only available with the Sanitize cycle. **Hot/Cold** - Whites and heavily soiled, colorfast items. **Warm/Warm** - Colorfast items. When warm rinse is selected, only the final rinse will be warm. The other rinses will be cold to conserve energy. **Warm/Cold** - Moderately soiled, colorfast items; most wrinkle-free items. **Cold/Cold** - Brightly colored, very lightly soiled items.
6 **Spin selection button**	Press the button repeatedly to cycle through the different spin speed options. **Extra High** - Removes more water from loads during spin. To minimize wrinkling of wrinkle-free and no-iron fabrics, DO NOT use the Extra High spin option for these loads, nor overload your washer. **High** - Use for underwear, t-shirts, jeans and sturdy cottons. **Medium** - Use for jeans, wrinkle-free or wash-and-wear items and synthetics. **Low** - Use for delicate items needing a slow spin speed. **No Spin** - Drains your washer without spinning. Use for extremely delicate items that cannot tolerate any spin.
7 **Soil Level selection button**	Press the button to select the Soil Level/washing time. (Heave → ▲ → Normal → ▼ → Light) **Heavy** - For heavily soiled loads. ▲ - **Normal** - For moderately soiled loads. This setting is best for most loads. ▼ - **Light** - For lightly soiled loads.
8 **Steam selection button**	Press this button to use steam. steam care is available with Heavy Duty, Normal, Perm Press, Sanitize, Bedding cycles. For heavily soiled, colorfast garments. Steam care improves stain treatment and use less water of each cycle (page 28).
9 **Start/Pause selection button**	Press to pause and restart programs.
10 **Power button**	Press once to turn your washer on, press again to turn your washer off. If the washer is left on for more than 10 minutes without any buttons being touched, the power automatically turns off.

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washing a load of laundry

Child lock

A function that prevents children from playing with your washer.

Once the Child Lock function is activated, the control panel cannot be activated, preventing children from playing with the washer.

ACTIVATING/DEACTIVATING

If you want to activate/deactivate the Child Lock function, press the **Spin** and **Soil Level** buttons at the same time for 3 seconds.

How It works:

1. "**Child Lock"** can be activated and deactivated while your washer is running.
2. Once you activate **"Child Lock"**, all controls (except for the **Power** button) will be locked until you deactivate **"Child Lock"**.
3. The **Child Lock** button will be lit while it is in effect.

When buttons, other than the **Power** button, do not respond, please check if the **"Child Lock"** function is on.

Garment+

You can add or take out laundry items even after the wash has started, as long as the **"(Garment+)"** light is on. Pushing the **Start/Pause** button unlocks the door, unless the water is too hot or if there is too much water in your washer. If you are able to unlock the door and wish to continue the wash cycle, close the door and press the **Start/Pause** button.

My cycle

Allows you to activate your custom wash (temperature, spin, soil level, etc.) with one–button convenience.

By pushing the **My Cycle** button, you activate the settings used during the **My Cycle** mode. The **"My Cycle"** light will indicate activation.

You can select all options as follows in the **"My Cycle"** mode.

1. Select cycle using the **Cycle Selector** dial.
2. After cycle selection, set each option.

See page 28 for available option settings with each cycle.

3. Then, you can start **"My Cycle"** by pushing the **Start/Pause** button in **"My Cycle"** mode. The cycle and options you select will be displayed the next time you choose **"My Cycle"**.

You can change the **"My Cycle"** settings by repeating the same process above. The last used setting will be displayed the next time you choose **"My Cycle"**.

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Washing clothes using the cycle selector

Your new washer makes washing clothes easy, using Samsung's "Fuzzy Control" automatic control system. When you select a wash program, the machine will set the correct temperature, washing time, and washing speed.

1. Almost no customers will have the washer hooked up via the sink's tap.
2. Press the **Power** button.
3. Open the door.
4. Load the articles of clothing one at a time loosely into the drum, without overfilling it.
5. Close the door.
6. Add detergent, softener, and pre-wash detergent (if necessary) into the appropriate compartments.

Pre-wash is only available when selecting the Normal, PermPress, Sanitize, Bedding and Deep Steam cycles. It is only necessary if your clothing is heavily soiled(page 28).

7. Use the Cycle Selector to select the appropriate cycle according to the type of material: Normal, PermPress, Sanitize, Bedding, Delicates, Hand Wash, Wool, Quick Wash, Rinse + Spin, Spin Only, Deep Steam. The relevant indicators will illuminate on the control panel.
8. At this time, you can control the wash temperature, the number of rinse cycles, the spinning speed, and the delay time by pressing the appropriate **Option** button.
9. Press the **Start/Pause** button on the Cycle Selector and the wash will begin. The process indicator will light up and the remaining time for the cycle will appear in the display.

Pause Option

To unlock the door when the "Garment+" LED is turned on, press the **Start/Pause** button.

1. Within 5 minutes of starting a wash, you can still add/remove laundry items to the wash.
2. Press the **Start/Pause** button to unlock the door.
3. The door cannot be opened when the water is too HOT or the water level is too HIGH.
4. After closing the door, press the **Start/Pause** button to restart the wash.

When the cycle is finished:

When the cycle is complete, "End" is displayed and the power remains on.

The power is turned off in the following two cases.

1. When the **Power** button is pressed.
2. If the door is opened when "End" is displayed.

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washing a load of laundry

FOR ACTIVFRESH™ WASHING

An increased consumer demand for energy-saving products prompted Samsung to develop a system to use silver, widely known for its antimicrobial properties, as a sanitizing agent in your washer.

Pure silver atoms have an electron stripped away by electrolysis during the wash and rinse cycles, which releases up to 16 million trillion silver ions that then penetrate deep into the fabric to sanitize clothing (according to U.S. EPA Test Guideline DIS/TSS-13). It does not need hot water or bleach.

Here's how it works: A grapefruit-sized device alongside the tub uses two pure silver plates the size of large chewing gum sticks as electrodes in the water inlet system. The resulting positively charged silver atoms - Silver ions (Ag+) -- are sprayed into the tub during the wash and final rinse cycle.

During tests, this process removed more than 99.9% of bacteria.

Extra delicate blouses, shirts, or even lingerie that can't be washed in hot water can now be sanitized effectively without the adverse effects of hot water. The silver plates can easily be replaced by a Service Technician if needed.

To use :

1. Load the washer.
2. Press the **Power** button.
3. Select a Cycle by turning the Cycle Selection dial.
4. Press the **ActivFresh™** button.
5. Add detergent in the dispenser tray for main washing, and add fabric softener up to the marked line.
6. Press the **Start/Pause** button.
   : The washer automatically selects optimal washing conditions by sensing the laundry's weight.

FOR HOME USE ONLY– COMMERCIAL USERS SHOULD NOTIFY THEIR LOCAL WASTE TREATMENT AUTHORITIES BEFORE USE

The total number of silver cycles run by the washer is displayed when pushing the **Signal** button and the **ActivFresh™** button simultaneously while the power is on.

LU1 : less than 1000 cycles

LU0 : 1000 cycles

The total number of silver cycles run by the washer is displayed when pushing the **Signal** and **ActivFresh™** buttons simultaneously while the power is on.

You cannot choose the ActivFresh™ , spin only option with the Wool cycle.

USING STEAM WASH

The Steam Wash function injects steam directly into the laundry in the wash tub to increase the wash temperature and enhance the Soak effect, thus improving the wash performance.

1. Load the washer.
2. Press the **Power** button.
3. Turn the Cycle Selector and select a Steam Cycle. (The Deep Steam course automatically selects Steam.)
4. Press the **Steam** button.
5. Add detergent into the dispenser tray for a wash, and add fabric softener up to the marked line.
6. Press the **Start/Pause** button.
   : The washer automatically selects the optimal wash conditions by sensing the weight of the laundry.

If steam wash is selected, steam is injected at the most effective time for the detected amount of laundry in order to maximize the effect of the steam.

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DETERGENT USE

Your washer is designed to use high efficiency (HE) detergents.

- For best cleaning results, use a high efficiency detergents such as Tide HE, Wisk HE, Cheer HE or Gain HE*. High efficiency detergents contain suds suppressors that reduce or eliminate suds. When fewer suds are produced, the load tumbles more efficiently and cleaning is maximized.

CAUTION Regular detergent is not recommended. Please use HE detergents only.

Reducing the amount of detergent may reduce the cleaning quality. It is important to pre–treat stains, sort carefully by color and soil level, and avoid overloading.

* Brand names are trademarks of their respective manufacturers.

FEATURES

Automatic dispenser

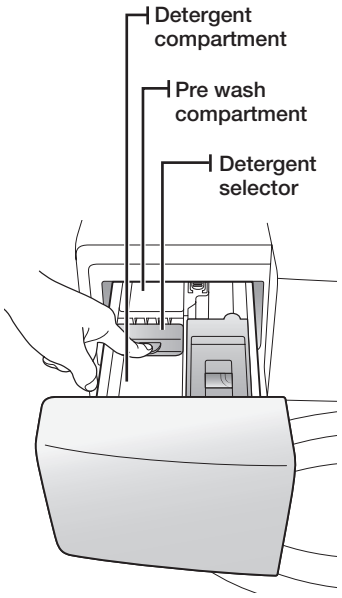
Your washer has separate compartments for dispensing detergent and color-safe bleach, chlorine bleach, and fabric softener. All laundry additives are added to their respective compartments before starting your washer.

The automatic dispenser MUST ALWAYS be in place before starting your washer.

DO NOT open the automatic dispenser when your washer is running.

To use:

1. Pull out the dispenser drawer on the left side of the control panel.
2. Add the recommended quantity of additive to the appropriate compartments with laundry additives, and be careful not to overfill or spill.
3. Slide the dispenser drawer carefully and completely back into the compartment.



Detergent compartment

1. Pour the recommended amount of laundry detergent directly into the detergent compartment before starting your washer.
2. If color-safe bleach is to be used, it should be added with detergent to the detergent compartment.
   - When adding color-safe bleach with detergent, it is best if both laundry products are in the same form – granular or liquid.

If using liquid detergent, lower the detergent selector and add the detergent to the detergent compartment.

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washing a load of laundry

Pre wash compartment

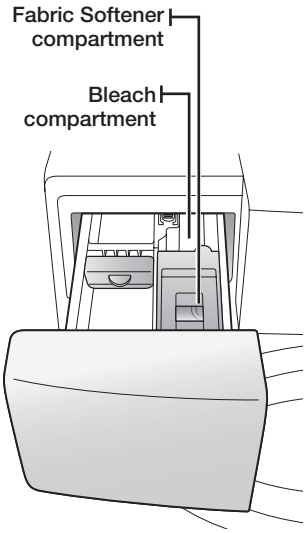
When using the Pre Wash option, detergent should be added to both the Pre Wash compartment and the detergent compartment. The detergent will automatically be dispensed during Pre Wash.

- If high efficiency (HE) detergent is used, add 1/3 of the recommended amount to the Pre Wash compartment and 2/3 of the recommended amount to the detergent compartment.

Bleach compartment

(Liquid chlorine bleach only)

1. Add chlorine bleach to the bleach compartment. DO NOT exceed the MAX FILL line.
2. Avoid splashing or over–filling the compartment.
3. Your washer automatically dispenses bleach into the tub at the appropriate time.
4. The dispenser automatically dilutes liquid chlorine bleach before it reaches the wash load.



- Never pour undiluted liquid chlorine bleach directly onto the load or into the tub. It is a powerful chemical and can cause fabric damage, such as weakening of the fibers or color loss, if not used properly.
- If you prefer to use color–safe, non–chlorine bleach, add it to the appropriate detergent compartment. DO NOT pour color–safe bleach into the Bleach compartment.

Fabric softener compartment

1. Pour the recommended amount of liquid fabric softener into the softener compartment. For smaller loads, use less than one capful.
2. Fabric softener should be diluted with water until it reaches MAX FILL in the compartment.
3. The dispenser automatically releases liquid fabric softener at the proper time during the rinse cycle.

- Use the softener compartment ONLY for liquid fabric softeners.
- DO NOT use a Downy Ball* in the Fabric softener compartment of this washer. It will not add fabric softener at the appropriate time. Use the detergent compartment.

* Brand names are trademarks of their respective manufacturers.

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maintaining your washer

CLEANING THE EXTERIOR

Turn off the water faucets after finishing the day's washing.

This will shut off the water supply to your washer and prevent the unlikely possibility of damage from escaping water. Leave the door open to allow the inside of your washer to dry out.

Use a soft cloth to wipe up all detergent, bleach or other spills as they occur.

Clean the following as recommended:

Control Panel – Clean with a soft, damp cloth. Do not use abrasive powders or cleaning pads. Do not spray cleaners directly on the panel.

Cabinet – Clean with soap and water.

CLEANING THE INTERIOR

Clean the interior of your washer periodically to remove any dirt, soil, odor, mold, mildew, or bacterial residue that may remain in your washer as a result of washing clothes.

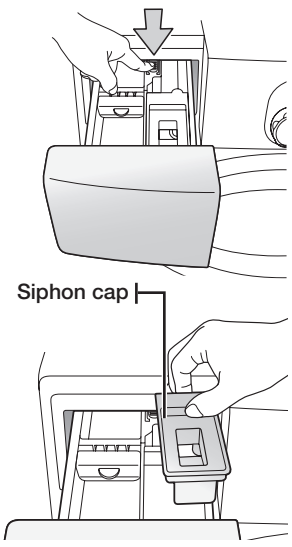
Failure to follow these instructions may result in unpleasant conditions, including odors and/or permanent stains on your washer or laundry.

Hard water deposits may be removed, if needed. Use a cleaner labeled "washer safe".

CLEANING THE DISPENSERS

The Automatic Dispenser may need to be cleaned periodically due to laundry additive buildup.

1. Press the release lever on the inside of the dispenser and pull out.
2. Remove the Siphon Cap from the fabric softener and bleach compartments.
3. Wash all of the parts under running water.
4. Clean the dispenser recess with a soft brush.
5. Reinsert the Siphon Cap and push it firmly into place.
6. Push the dispenser back into place.
7. Run a Rinse & Spin cycle without any load in your washer.



STORING YOUR WASHER

washers can be damaged if water is not removed from hoses and internal components before storage. Prepare your washer for storage as follows:

- Select the Quick Wash cycle and add bleach to the automatic dispenser. Run your washer through the cycle without a load.
- Turn the water faucets off and disconnect the inlet hoses.
- Unplug your washer from the electrical outlet and leave your washer door open to let air circulate inside the tumbler.
- If your washer has been stored in below–freezing temperatures, allow time for any leftover water in your washer to thaw out before use.

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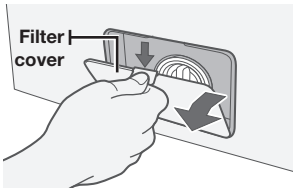
maintaining your washer

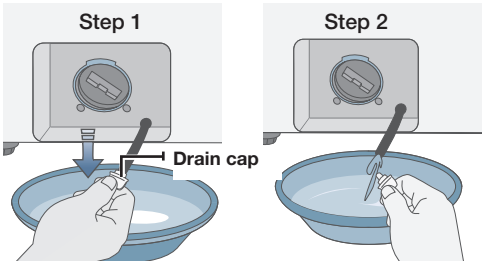
CLEANING THE DEBRIS FILTER

We recommend cleaning the debris filter when water does not drain well or the “nd” error message is displayed.

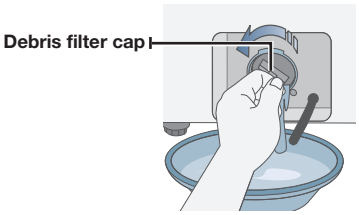
1. Open the filter cover by pressing and pulling the handle of the filter cover with your finger.



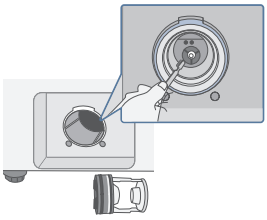
2. Unscrew the drain cap by turning it counterclockwise.
3. Hold the cap on the end of the drain tube and slowly pull it out about 6in.(15cm) and drain off all the water.



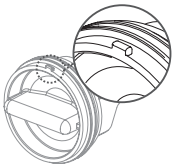
4. Remove the debris filter cap.



5. Wash any dirt or other material from the debris filter. Make sure the drain pump propeller behind the debris filter is not blocked.



6. To assemble the filter cap, align the projected part of the filter cap to your 12 o’clock (on an imaginary clock) and turn it clockwise.
7. Replace the debris filter cap.
8. Replace the filter cover.



PRESERVING THE TOP COVER AND THE FRONT FRAME

Do not place any heavy or sharp objects or a detergent box on the washer. Keep them on the purchased pedestal or in a separate storage box.

CAUTION This may scratch or damage the top cover of the washer.

Since the entire washer has a high-gloss finish, the surface can be scratched or damaged. Therefore, avoid scratching or damaging the surface when using the washer.

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troubleshooting

CHECK THESE POINTS IF YOUR WASHER...

PROBLEM	SOLUTION
Will not start..	• Make sure the door is firmly closed. • Make sure your washer is plugged in. • Make sure the water source faucets are open. • Make sure to press the **Start/Pause** button to start your washer. • Make sure the Child Lock is not activated (page 16). • Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain. • Check the fuse or reset the circuit breaker.
Has no water or not enough water..	• Turn both faucets on fully. • Make sure the door is tightly closed. • Straighten the water inlet hoses. • Disconnect hoses and clean screens. Hose filter screens may be clogged. • Open and close the door, then press the **Start/Pause** button.
Has detergent remains in the automatic dispenser after the wash cycle is complete.	• Make sure your washer is running with sufficient water pressure. • Make sure the Detergent Selector dial is in the upper position when using granular detergent.
Vibrates or is too noisy.	• Make sure your washer is set on a level surface. If the surface is not level, adjust your washer feet to level the appliance. • Make sure that the shipping bolts are removed. • Make sure your washer is not touching any other object. • Make sure the laundry load is balanced.
Stops	• Plug the power cord into a live electrical outlet. • Check the fuse or reset the circuit breaker. • Close the door and press the **Start/Pause** button to start your washer. For your safety, your washer will not tumble or spin unless the door is closed. • Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain. • There may be a pause or soak period in the cycle. Wait briefly and it may start. • Check the screens on the inlet hoses at the faucets for obstructions. Clean the screens periodically.

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troubleshooting

PROBLEM	SOLUTION
Fills with the wrong temperature water.	• Turn both faucets on fully. • Make sure the temperature selection is correct. • Make sure the hoses are connected to the correct faucets. Flush water lines. • Check the water heater. It should be set to deliver a minimum 120°F(49°C) hot water at the tap. Also check the water heater capacity and recovery rate. • Disconnect the hoses and clean the screens. The hose filter screens may be plugged. • As your washer is filling, the water temperature may change as the automatic temperature control feature checks incoming water temperature. This is normal. • While your washer is filling, you may notice just hot and/or just cold water going through the dispenser when cold or warm wash temperatures are selected. This is a normal function of the automatic temperature control feature as your washer determines the temperature of the water.
Door locked or will not open.	• Press the **Start/Pause** button to stop your washer. • Your washer door will remain locked during the heating portion of the Sanitize Cycle. • It may take a few moments for the door lock mechanism to disengage.
Does not drain and/or spin.	• Check the fuse or reset the circuit breaker. • Straighten the drain hoses. Eliminate kinked hoses. If there is a drain restriction, call for service. • Close the door and press the **Start/Pause** button. For your safety, your washer will not tumble or spin unless the door is closed.
Load is too wet at the end of the cycle.	• Use the High or Extra High spin speed. • Use high efficiency detergent to reduce over–sudsing. • Load is too small. Very small loads (one or two items) may become unbalanced and not spin out completely.
Leaks water.	• Make sure the door is firmly closed. • Make sure all hose connections are tight. • Make sure the end of the drain hose is correctly inserted and secured to the drainage system. • Avoid overloading. • Use high efficiency detergent to prevent over–sudsing.
Has excessive suds.	• Use high efficiency detergent to prevent over-sudsing. • Reduce the detergent amount for soft water, small or lightly soiled loads. • Non-HE detergent is NOT recommended.

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INFORMATION CODES

Information codes may be displayed to help you better understand what is occurring with your washer.

CODE SYMBOL	MEANING	SOLUTION
dc	Unbalanced load prevented your washer from spinning.	Redistribute the load, press the **Start/Pause** button.
dL	Door is unlocked when washer is running.	Press the **Power** button to turn off your washer, then restart the cycle. If the code reappears, call for service.
dS	Door is open when washer is running.	Close the door tightly and restart the cycle. If the code reappears, call for service.
FL	Your washer failed to lock the door.	Close the door tightly and restart the cycle. If the code reappears, call for service.
Hr	Water temperature control problem. (Heater Control problem)	Call for service.
LE	Your washer has tried to fill but has not reached the proper water level.	Call for service.
LO	The door will not unlock.	Make sure the door is firmly closed. Push the **Power** button to turn off your washer, then turn it on again. If the code reappears, call for service.
E3	Motor not running properly.	Restart the cycle by pressing the **Start/Pause** button. If the code reappears, call for service.
nd	Your washer is not draining. It can also mean that the unit senses a small clog while draining.	Before calling for service, check the following. Clean the filter (page 19). or **1.** Turn off the unit for 10 seconds and then turn it on again. **2.** Select only the Spin Cycle. **3.** Press the Start/Pause to drain the water. If it still does not drain, call for service.
nF	Your washer has tried to fill but was unsuccessful.	Make sure the water faucets are open all the way. Check for kinked hoses. Check the inlet screens on the fill hoses.
nF1	The hot/cold water hose connection is not correct.	Please connect the hot/cold water hose connection correctly.
Sr	Problem with control.	Call for service.
OE	A fault is detected in the water level sensor.	Call for service
E2	Jammed Key.	Call for service
tE	Temperature sensor problem.	Restart the cycle. If the code reappears, call for service.

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troubleshooting

3E	Motor problem.	Restart the cycle. If the code reappears, call for service.
2E	High/Low voltage detected.	Restart the cycle. If the code reappears, call for service.
7E	Ag+ Kit problem	Call for service
AE	Communication error between SUB PBA and MAIN PBA	Call for service
SF1 **SF2** **SF3**	System error	Call for service
SUdS	Too many suds are detected during the washing session. The unit is put on hold until the suds are reduced. Then, the unit will go back to the operation. When it finishes washing, End and SUdS codes will blink in turn.	To prevent it, cut down on detergents.

For any codes not listed above, call 1–800–726–7864 (1–800–SAMSUNG)

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FABRIC CARE CHART

The following symbols provide garment care direction. The clothing care labels include symbols for washing, bleaching, drying and ironing, or dry cleaning when necessary. The use of symbols ensures consistency among garment manufacturers of domestic and imported items. Follow care label directions to maximize garment life and reduce laundering problems.

Wash Cycle		**Special Instructions**		**Warning Symbols for Laundering**	
	Normal		Line Dry/ Hang to Dry		Do Not Wash
	Permanent Press / Wrinkle Resistant / Wrinkle Control		Drip Dry		Do Not Wring
	Gentle/Delicates		Dry Flat		Do Not Bleach
	Hand Wash	**Heat Setting**			Do Not Tumble Dry
Water Temperature**			High		No Steam (added to iron)
•••	Hot		Medium		Do Not Iron
••	Warm		Low	**Dryclean**	
•	Cold		Any Heat		Dry Clean
Bleach			No Heat/Air		Do Not Dry Clean
	Any Bleach (when needed)	**Iron-Dry or Steam Temperatures**			Line Dry/ Hang to Dry
	Only Non-Chlorine (color-safe) Bleach (when needed)		High		Drip Dry
	Tumble Dry Cycle		Medium		Dry Flat
Normal			Low		For machine-washable wool. Loads should be under 8 pounds.
	Permanent Press/ Wrinkle Resistant/ Wrinkle Control				
	Gentle/ Delicates				

** The dot symbols represent appropriate wash water temperatures for various items. The temperature range for Hot is 105-125°F(41-52°C), for Warm 85-105°F(29-41°C) and for Cold 60-85°F(16-29°C). (Wash water temperature must be a minimum of 60°F(16°C) for detergent activation and effective cleaning.) The clothes washer may not ensure these temperatures because the actual water temperatures entering your washer are dependent on water heater settings and regional water supply temperatures. For example, cold water entering the home in the northern states during winter may be 40°F(4°C) which is too cold for effective cleaning. The water temperature in this situation will need to be adjusted by selecting a warm setting, adding some hot water to the MAX FILL line or using your washer's heating option, if available.

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appendix

CYCLE CHART

Use this chart to set the best cycle and option for you laundry.

(● : factory setting , ● : selectable)

	Functions															Options									Display Time
	Temp					Spin					Soil Level					Delay Start	Extra Rinse	Extended Spin	My Cycle	Pre Wash	Activ-Fresh	Steam	Garment+	Child Lock	
	EH/C	H/C	W/W	W/C	C/C	EH	H	M	L	NS	H	▲	N	▼	L										
Normal		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	58
Heavy Duty		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	104
Perm Press			●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	52
Sanitize	●					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	117
Bedding			●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	76
Deep Steam		●				●	●	●	●	●	●					●	●	●	●	●	●	●	●	●	108
Delicates			●	●	●				●	●	●	●	●	●	●	●	●		●		●		●	●	45
Hand Wash			●	●	●				●	●	●	●	●	●	●	●	●		●		●		●	●	45
Wool				●	●				●	●			●			●			●				●	●	60
Quick Wash		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●		●		●	●	29
Rinse + Spin					●	●	●	●	●	●						●	●	●			●			●	19
Spin Only						●	●	●	●	●						●		●						●	12

Temp	Spin	Soil Level
EH/C: Extra Hot/Cold **H/C:** Hot/Cold **W/W:** Warm/Warm **W/C:** Warm/Cold **C/C:** Cold/Cold	**EH:** Extra High **H:** High **M:** Medium **L:** Low **NS:** No Spin	**H:** Heavy ▲ **N:** Normal ▼ **L:** Light

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HELPING THE ENVIRONMENT

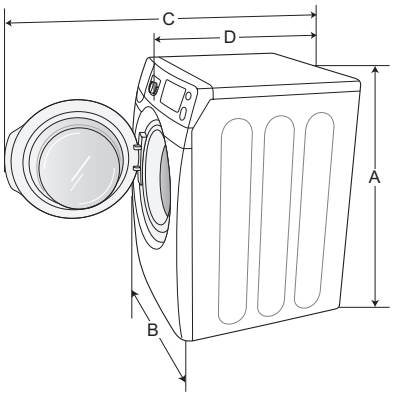
- Your washer is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source. Remove the door so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.
- Use stain removal products and bleaches before the wash cycle only when necessary.
- Save water and electricity by only washing full loads (the exact amount depends upon the program used).
- Use ActivFresh™ instead of Hot Water Sanitization to save energy.

DECLARATION OF CONFORMITY

This appliance complies with UL2157.

SPECIFICATION

TYPE	FRONT LOADING WASHER		
DIMENSIONS	Div	Inch (cm)	
	A. Height-Overall	39(99.1)	
	B. Width	27(68.6)	
	C. Depth with door open 90°	51.7(131.4)	
	D. Depth	31.9(81.1)	



WATER PRESSURE		20-116psi(137-800kPa)	
WEIGHT		219lbs(99Kg)	
HEATER RATING		900 W	
POWER CONSUMPTION	WASHING	120 V	250 W
	WASHING AND HEATING	120 V	1100 W
	SPIN	120 V	600 W
	DRAIN	120 V	80 W
SPIN REVOLUTION	WF419	1200 rpm	

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warranty

Warranty

SAMSUNG ActivFresh™ WASHER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) year part and labor
Two (2) years control panel parts
Three (3) years stainless tub parts
Five (5) years motor parts

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. SAMSUNG will provide in-home service during the warranty period at no charge, subject to availability within the contiguous United States. In-home service is not available in all areas.

To receive in-home service, product must be unobstructed and accessible to the service agent. If service is not available, SAMSUNG may elect to provide transportation of the product to and from an authorized service center.

SAMSUNG will repair, replace, or refund this product at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following: damage that occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning, or other acts of nature or God; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG that damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal and reinstallation; problems caused by pest infestations. This limited warranty does not cover problems resulting from incorrect electric current, voltage or supply, light bulbs, house fuses, house wiring, cost of a service call for instructions, or fixing installation errors. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

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Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:
SAMSUNG ELECTRONICS AMERICA, INC. – CONSUMER ELECTRONICS CUSTOMER SERVICE
400 Valley Road, Suite 201, Mt. Arlington, NJ 07856
1-800-SAMSUNG (1-800-726-7864)
www.samsung.com/us

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QUESTIONS OR COMMENTS?

Country	CALL	OR VISIT US ONLINE AT
U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com/us
MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com/mx

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